

CLAIMS

1. Jet spray tool for frozen carbon dioxide particles comprising
 - a supply unit containing carbon dioxide gas under high pressure,
 - 5 - a jet nozzle connected to the supply unit for receiving carbon dioxide gas under high pressure from the supply unit and for producing a jet of frozen carbon dioxide particles,
 - a connection between the supply unit and the jet nozzle for transporting carbon dioxide gas from the supply unit to the jet nozzle.
- 10 2. Jet spray tool according to claim 1, wherein the supply unit contains carbon dioxide gas and carbon dioxide liquid and where the connection is connected to the supply unit above the carbon dioxide liquid level in the supply unit to assure gas extraction from the supply unit.
- 15 3. Jet spray tool according to claim 1 or 2, wherein a valve is located between the supply unit and the nozzle.
- 20 4. Jet spray tool according to according to any preceding claim, wherein the pressure of the carbon dioxide gas is 40-60 bar.
5. Jet spray tool according to according to any preceding claim, wherein the distance from the supply unit to the nozzle is less than 500 mm.
- 25 6. Jet spray tool according to any preceding claim, wherein the distance from a gas extraction point of the supply unit to the exit of the jet nozzle is less than 200 mm.
- 30 7. Jet spray tool according to any preceding claim, wherein the jet spray tool comprises a carbon dioxide tank connected to the supply unit for supply of carbon dioxide from the tank to the supply unit as an intermediate chamber close to the jet nozzle, and where the distance between the carbon dioxide tank and the supply unit is more than

an order of magnitude larger than the distance between the supply unit and the jet nozzle.

5 8. Jet spray tool according to claim 7, wherein the internal volume of the intermediate chamber is of the order of between 0.05 and 10 decilitre.

9. Jet spray tool according to claim 7 or 8, wherein the intermediate chamber has an opening into atmosphere for evaporation of carbon dioxide.

10 10. Jet spray tool according to anyone of the preceding claims, wherein the nozzle is tubular and comprises a lateral groove across the exit hole at the front end of the nozzle.